

United States Environmental Protection Agency
Region V
POLLUTION REPORT

Date: Tuesday, March 02, 2010
From: Brian Kelly and Jeff Lippert, On-Scene Coordinators

Subject: Site Mobilization
Former McLouth Steel Gibraltar-Complex Site
15701 Vreeland Road, Gibraltar, MI
Latitude: 42.1120159
Longitude: -83.2105050

POLREP No.:	1	Site #:	B5QW
Reporting Period:		D.O. #:	0039
Start Date:	3/2/2010	Response Authority:	CERCLA
Mob Date:	3/2/2010	Response Type:	Time-Critical
Demob Date:		NPL Status:	Non NPL
Completion Date:		Incident Category:	Removal Action
CERCLIS ID #:	MIN000510362	Contract #	EP-S5-08-02
RCRIS ID #:			

Site Description

The DSC-Gibraltar Site is located in Gibraltar, Wayne County, Michigan; - 42 degrees°, 6 minutes", 300 seconds' latitude and 83°, 12", 0' longitude.

The Site is bound by West Jefferson Avenue to the east, Vreeland Road to the north, Canadian National North America rail line to the west, and Gibraltar Road to the south. The Frank and Poet Drain runs north to south through the Site, between Countywide Landfill Upper and Lower and DSC Landfill Areas 1A and 1B, and eventually runs into the Detroit River. The easternmost portion of the Site is approximately 3 tenths of a mile west of the Detroit River. The Humbug Marsh, part of the U.S. Fish and Wildlife's Detroit River International Wildlife Refuge, is directly across West Jefferson Avenue from the Site.

At the request of Michigan Department of Natural Resources and Environment (DNRE), U.S. EPA is installing an upper collection system at Countywide and constructing two treatment plants, one for DSC and one for Countywide, to handle leachate. Operation and Maintenance of the treatment system will be conducted by DNRE.

This leachate resulted from the percolation of precipitation and groundwater through steel waste and construction debris and contains high concentrations of phenolic compounds and exhibits a pH exceeding 12.5 standard units.

Current Activities

In November 2009, U.S. EPA collected six leachate samples from Countywide Landfill (East Well, West Well, Standing Pipe #1, Standing Pipe #3, Standing Pipe #5, and Standing Pipe #7) and two leachate samples from Landfills 1A and 1B at the DSC-Gibraltar facility (Pump Station #1A and Pump Station #1B).

Between December and February, U.S. EPA finalized the upper collection system design, met with City of Gibraltar Officials, requested and received NPDES parameters from Michigan DNRE, requested and received discharge parameters from South Huron Valley Utility Authority (SHVUA), and assigned a community involvement coordinator.

On March 2, U.S. EPA mobilized to begin installation of the upper collection system.

Planned Removal Actions

- 1) construct workbench along slope,
- 2) weld collection line,
- 3) receive sump vaults,
- 4) collect treatability samples,
- 5) excavate collection trenches,
- 6) Finalize treatment system design,
- 7) Install treatment system.

Next Steps

Meeting with City of Gibraltar on March 4 to discuss reuse scenarios and public outreach needs.

epaosc.org/Former_McLouth_Steel_Gibraltar-Complex